
Activity guide – Awareness raising on the risks of the mosquito transmitted viruses

iGEM Pasteur 2016 Project – Mos(kit)o

Innovative and Responsible Research

Recommended audience: 11 – 14 y.o.

Estimated duration: between 2 hours 30 and 3 hours

Required preparation: *print the panels corresponding to zones. Print and cut out the mosquito traps (do as many traps as there are groups of pupils). Fold the traps and fix them on the zone panels so that only the side with the name of the zone is visible (not the number of mosquitos that are inside the trap).*

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| 15 minutes | Presentation of the game of the pupils, explanation of the conduct of the activity: <ul style="list-style-type: none">• Questionnaire• Drawing of the trap• Mosquito hunt |
| 15 minutes | Distribution of the questionnaire on mosquitos to the students, question answering (individually or in groups). |
| 30 minutes | Correction of the questionnaire and PowerPoint presentation by the supervisor on the life of the mosquito. |
| 10 minutes | Formation of teams (recommended: between 2 and 4 pupils by team) |
| 45 minutes | Drawing of the mosquito trap
Distribution of the specification to the pupils.
Using the information provided in the PowerPoint presentation, the teams draw a trap filling the requirements and criteria foreseen in the specification. Then they present their drawings to the rest of the group. |
| 15 minutes | Choice of the zones to explore
Using the information provided in the PowerPoint presentation et in the correction of the questionnaire, teams choose the 4 zones that they think are the more susceptible of being infected by mosquitos. Once the choice of the zones has been made, it is definitive. |
| 15 minutes | Mosquito hunt: The pupils go collect the traps in each of the 4 zones they have selected with their group. |
| 15 minutes | Counting of the mosquitos: The pupils open the traps that they have collected with their group and count the number of infected and uninfected mosquitos that they find inside (the infected mosquitos are shown in black while the uninfected ones are shown in white). They then report the number of mosquitos in the “mosquito collection report” grid. The winning team is the one that has chosen the most infected zones, and that has found the more mosquitos. In the case of a tie, the number of infected mosquitos found will allow to determine which team is the winner. |